



MEDITE FR

Medite FR (Flame Retardant) Euro Class B & C is an MDF panel developed specifically for use in situations where a Euro Class B or a Euro Class C flame retardant board is required under building regulations. Developed for the 21st Century at Medite's Clonmel MDF facility, Medite FR broadens the range of the Medite family of high performance MDF products.

APPLICATIONS Medite FR Euro Class B & C, formerly Class 0 and Class 1 BS 476 part 6 & 7 respectively panel products, are suitable for use as wall linings, partitions, display panels, ceilings etc. Typical installations are: Hotel foyers, offices, public libraries, schools, court houses, hospitals, cinemas, discotheques and some shipbuilding applications. Medite FR Euro Class B & C is not suitable for external or structural applications, nor where exposure to water or high relative humidity may be encountered. Medite FR Euro Class B & C is suitable for use in internal dry conditions as defined in EN 622 part 5. Boards of this type are suitable for use in Hazard Class 1 of EN 335-3.

PERFORMANCE-FIRE RESISTANCE Medite FR Euro Class B & C has been certified for 30 minutes fire resistance of symmetrical non-load bearing partitions. Before designing or using this feature, careful duplication and testing of the various partition elements is required. Please refer to Medite Europe Document - '30 minute Fire Resisting Partitions'. Ref: 30/FR/P/04/95.

APPEARANCE Medite FR Euro Class B & C is distinguishable from other Medite MDF products by its pink identification colour.

CONDITIONING The moisture content of Medite FR Euro Class B & C is in the range of 7% +/- 2% at the time of manufacture. Changes in dimensions of wood and wood-based sheet materials occur due to changes in relative humidity. For this reason, Medite FR Euro Class B & C panels should be conditioned to the final environment for two to three days before fixing.

MACHINING/FINISHING Cut or profiled edges of Medite FR Euro Class B & C should first be sanded with 150-240 grit, prior to painting. When choosing a coating system it should be confirmed with the paint manufacturer that the coating will not adversely affect the Euro Class B flame spread or Euro Class C classification of the Medite FR Euro Class B & C panel. There are a variety of flame retardant paints to choose from which provide resistance and wear qualities equal to general decorative paints. The method of application will depend directly on the type of paint selected.

FIRE RATING See Chart below

AUTHORITY Medite FR Euro Class B & C (EN 13823 + EN 11925-2) is manufactured under an NSAI registered I.S. EN ISO 9001:2000 quality management system.

SUPPLY Medite FR Euro Class B & C is produced in the following standard panel sizes: CLASS C 1220 x 2440 and 1220 x 3050mm in 4, 6, 9, 12, 15, 18 and 25mm thicknesses. CLASS B - 1220 x 2440 and 1220 x 3050mm in 6, 12, 15, 18 and 25mm thicknesses. Other thicknesses and panel sizes by special request.



SERVICE

For further information and/or technical advice regarding processing and painting/finishing of Medite FR Euro Class B & C, please contact Medite Technical Support Personnel through any of our European offices.



MEDITE FR TECHNICAL SPECIFICATION DATA SHEET

PROPERTY	RANGE	TEST METHOD	UNITS	THICKNESS				
				4.0 to 6.0	>6.0 to 9.0	>9.0 to 12.0	>12.0 to 19.0	>19.0 to 30.0
Internal Bond	Min	EN 319	N/mm ²	0.65	0.65	0.65	0.60	0.60
Modulus of Rupture	Min	EN 310	N/mm ²	35.0	35.0	30.0	25.0	25.0
Modulus of Elasticity	Min	EN 310	N/mm ²	3000	3000	3000	2700	2500
Screw Holding Face	Min	EN 320	N	~	~	~	900	900
Screw Holding Edge	Min	EN 320	N	~	~	~	850	850
Moisture Content	Min-Max	EN 322	%	5-9	5-9	5-9	5-9	5-9
Free Formaldehyde Content	Max	EN 120	mg/100g	≤8.0	≤8.0	≤8.0	≤8.0	≤8.0
Thickness Tolerance	Min-Max	EN 324-1	mm	+/- 0.15	+/- 0.15	+/- 0.15	+/- 0.15	+/- 0.15
Thickness Swelling (24hrs)	Max	EN 317	%	25.0	17.0	15.0	10.0	9.0
DIMENSIONAL MOVEMENT								
Length/Width	Max	EN 318	%	0.4	0.4	0.3	0.3	0.3
Thickness	Max	EN 318	%	6.0	6.0	4.0	4.0	3.0

For information regarding availability of other Medite FR products, please contact Medite Europe sales personnel. The results as listed left are the minimum specification requirements for all flame retardant Medium Density Fibreboard manufactured by Medite Europe. All board parameters are in compliance with EN 622 parts 1 & 5. As part of the Medite Europe product development programme, the right to modify product specifications without notice is reserved. A free formaldehyde content of ≤8.0 mg/100g fulfill the requirements for Type Class E1 in EN 622-1 2003.

RANGE OF AVAILABLE CERTIFICATION

Country	Class	Standard	Euro Class	THICKNESS (mm)							✓ = Certification awarded
				4.0	6.0	9.0	12.0	15.0	18.0	25.0	
UK and Ireland	Class 1	B.S. 476: Part 7	C	✓	✓	✓	✓	✓	✓	✓	
UK and Ireland	Class O	B.S. 476: Part 6&7	B		✓	✓	✓	✓	✓	✓	
Austria	B1/T1/Q1	B3800	C		✓	✓	✓	✓	✓	✓	
Belgium	A1	NBN - S21 -203	C		✓	✓	✓	✓	✓	✓	
France	M1	NFP 92501	B	✓	✓	✓	✓	✓	✓	✓	
Germany	B1	DIN 4102Teil 1	B		✓	✓	✓	✓	✓	✓	
Italy	Classe 1	CSE RF 2/75 A, 3/7	B		✓	✓	✓	✓	✓	✓	
Netherlands	Klasse 2	NEN 6065, NEN 6066	C		✓	✓	✓	✓	✓	✓	
Scandinavia	In 1	NS 3919	B		✓	✓	✓	✓	✓	✓	
Switzerland	BKZ 5.3	VKF Regulations	C		✓	✓	✓	✓	✓	✓	
Singapore	Class 1	B.S. 476: Part 7	C		✓	✓	✓	✓	✓	✓	
United States	Class 1	UL 723	B		✓	✓	✓	✓	✓	✓	